

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 E04F13/16 832B13/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 E04F 832B C09J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)		
EPO-Internal, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 40 04 103 A (WENDKER LEICHTMETALL U LEICHTB) 14 August 1991 (1991-08-14) column 3, line 65 - column 6, line 27; figures 1,2	1
Y		2,3
A		4-7, 12-15, 18,21, 22, 26-32,34
Y	FR 2 624 870 A (ELF AQUITAINE) 23 June 1989 (1989-06-23) page 1, line 1 - page 13, line 23; examples 1-10	2,3
A		1
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principles or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "Z" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
1 August 2002		07/08/2002
Name and mailing address of the ISA European Patent Office, P.B. 5010 Patenlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Te. 31 651 epo nl, Fax: (+31-70) 340-2016		Authorized officer  Ayiter, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/10609

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4004103	A	14-08-1991	DE 4004103 A1	14-08-1991
			DE 9007749 U1	23-02-1995
FR 2624870	A	23-06-1989	FR 2624870 A1	23-06-1989
			DK 544488 A	29-09-1988
			EP 0279725 A1	24-08-1988
			FI 884484 A	29-09-1988
			WO 8805796 A1	11-08-1988
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			NO 884334 A	30-11-1988